

KOBOND™ 5412 Defoamer

INTRODUCTION

KOBOND™ 5412 is a silicone-free defoamer designed for solvent-borne and solvent-free coating and ink systems. Based on acrylic copolymer chemistry, it exhibits strong defoaming performance without adversely affecting intercoat adhesion. It effectively eliminates entrapped air during production, application, and substrate wetting, while maintaining good compatibility in a variety of resin systems.

BENEFITS / EFFECTS

- Silicone-free formulation
- Strong defoaming efficiency
- Releases microbubbles and suppresses foam generation
- Does not impair intercoat adhesion
- Especially suitable for primers and undercoats
- Suitable for high-shear processing

PHYSICAL PROPERTIES

Active Ingredient	Acrylate copolymer
Appearance	Light yellow transparent liquid
Content	30%
Solvent	Solvent naphtha
Density (25°C)	0.91
Refractive Index (25°C)	1.498

Note: These values are typical and are not intended for use as specifications

APPLICATIONS

KOBOND™ 5412 is suitable for use in 2K polyurethane systems, amino-baking coatings, nitrocellulose immersion systems, acid-curing amino systems, and coil coatings. It can be used in solvent-based and solvent-free industrial coatings and printing ink systems.

RECOMMENDED DOSAGE

KOBOND™ 5412 is typically used at 0.1–1.0% of the total formulation weight. The optimal dosage should be determined by laboratory testing.

It is recommended to add the defoamer prior to grinding to ensure proper dispersion under sufficient shear. Post-addition is also acceptable if effective mixing is applied.

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PACKING

KOBOND™ 5412 is supplied in 25Kg pail or 180Kg drum.

HANDLING

This document does not contain the product safety information required for safe use. Before handling, please refer to the product and safety data sheets, as well as container labels, for information on safe usage, physical hazards, and health risks. Safety Data Sheet is available on the website, from the distributor, or by contacting SiSiB customer service.

STORAGE

Store in tightly sealed containers in a dry and well-ventilated place. Keep away from heat, fire, strong acids and oxidizing agents. Under such conditions, KOBOND™ 5412 has a shelf life of 24 months from the date of production.

NOTE

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

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